

Contents

A Quick Look At Your Playback Deck	2
Connecting Your Playback Deck	3
Operation	3
Loading a Cassette Tape	3
Playing a Cassette Tape	3
Fast-forward and Rewind	4
Recording a Cassette Tape	4
Using the Tape Counter	4
Erasing a Tape	5
Dolby Noise Reduction	5
Tape Tips	5
Restoring Tape Tension and Sound Quality	5
Preventing Accidental Erasure	5
Cleaning the Tape-Handling Parts	6
Care	6
Specifications	7



Compact Recording/Playback Deck

Your Compact Recording/Playback Deck combines top-of-the-line recording and playback capabilities with the convenience of a cassette and is an ideal addition to your home music system.

Dolby B Noise Reduction — reduces tape hiss to give you an improved signal-to-noise ratio and extended dynamic range.

Dual Record Level Controls — let you control the stereo balance as you record.

3-Digit Tape Counter — lets you quickly locate a specific tape section.

Auto Tape Selector — provides optimum performance from any tape.

Microphone and Line Inputs — let you record from your receiver or make live recordings.

Full Auto-Stop — in the record, play, fast-forward, or rewind mode, automatically stops the cassette deck at the end of the cassette and retracts the record/playback mechanism to protect your tape.

WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.



CAUTION

RISK OF ELECTRIC SHOCK. DO NOT OPEN.



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



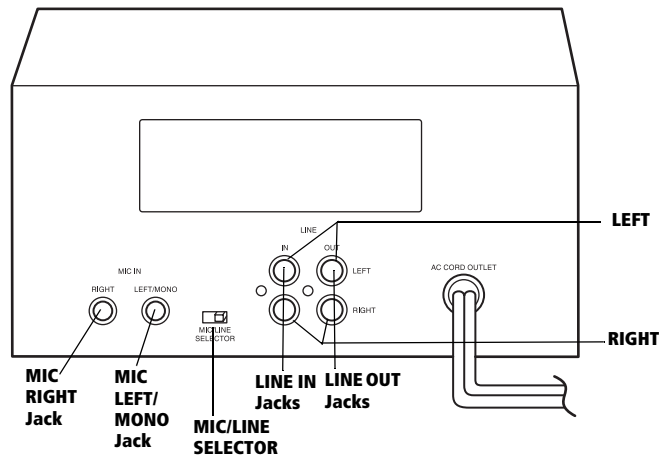
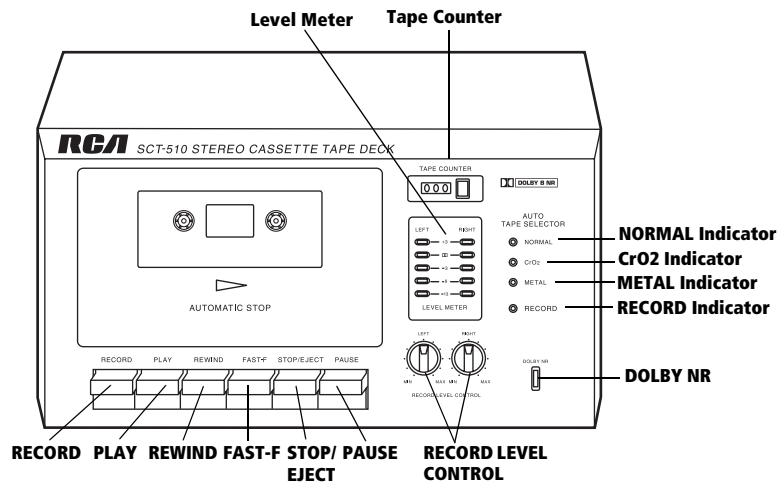
This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

Your Compact Recording/Playback Deck is ETL listed to UL standards.

© 2001 RadioShack Corporation.
All Rights Reserved.

Manufactured under license from Dolby Laboratories Licensing Corporation. Dolby, Pro Logic, and the double-D symbol (ⓀⓀ) are trademarks of Dolby Laboratories Licensing Corporation.

A Quick Look At Your Playback Deck



Connecting Your Playback Deck

1. Connect one of the supplied double patch cords to the white **LINE OUT LEFT** jack and red **LINE OUT RIGHT** jack on the back of the playback deck.
2. Connect the other end of the cord to the left and right AUX-IN or TAPE-IN jacks on your receiver/amplifier.
3. Connect the second supplied double patch cord to the white **LINE IN LEFT** jack and red **LINE IN RIGHT** jack on the back of the playback deck.
4. Connect the other end of the cord to the left and right TAPE-OUT jacks on your receiver/amplifier.
5. Connect microphones with a 1/4-inch plug to your playback deck's **MIC LEFT/MONO** or **RIGHT** jacks to make live recordings.
6. Plug the playback deck's AC power cord into a standard AC outlet or into your receiver/amplifier's convenience outlet.
7. Turn on your receiver/amplifier.

Note: When choosing a location for your playback deck, do not place the playback deck close to a large power transformer or high power transmitter.

Operation

Loading a Cassette Tape

1. Take up any slack in the tape by turning one of the cassette's hubs with a pencil.

Caution: If you do not remove the excess slack, the tape could become tangled in the record/playback mechanism.

2. Press **STOP/EJECT** to open the cassette compartment.
3. Insert a cassette into the cassette guides on the door with the open side facing down and with the full tape reel on the left.
4. Close the cassette compartment by pushing the right upper corner of the cassette door.
5. To remove the cassette, press **STOP/EJECT** to open the compartment.

Playing a Cassette Tape

1. Load a prerecorded cassette tape into the cassette compartment.
2. If desired, set the tape counter to 000 by pressing the reset button.
3. Press **DOLBY NR** to enable the Dolby NR system when playing a tape recorded with the Dolby NR system.
4. Press **PLAY** to begin playing a tape. Adjust the volume control on your receiver/amplifier to a comfortable listening level.
5. To temporarily stop playing, press **PAUSE**. Press **PAUSE** again to resume playing.
6. Press **STOP/EJECT** to stop playing before the tape reaches its end.

The playback deck automatically detects the type of tape and lights the appropriate NORMAL, CrO2 or METAL indicator.

During playback, the LEVEL METER indicator displays the level of the playback signal.

Fast-forward and Rewind

1. Press **STOP/EJECT** to stop the tape, if it is playing or recording.
2. Press **FAST-F** or **REWIND** to fast-forward or rewind the tape.
3. To resume play, press **STOP/EJECT**, then press **PLAY**. Press **RECORD** to continue recording.

Recording a Cassette Tape

Note: Before you load a cassette tape for recording, be sure its erase-protection tabs are in place (see “Preventing Accidental Erasure” on Page 5).

1. Load a blank cassette tape or the one you want to record over into the cassette compartment. Be sure its erase-protection tabs are in place.
2. Set **MIC/LINE SELECTOR** on the back of the player to **MIC** to record from your microphone, or to **LINE** to record from your receiver/amplifier.
3. Press in **DOLBY NR** to make a Dolby NR recording.
4. If desired, press the tape counter reset button to reset the tape counter to 000.

5. Press **RECORD**. **PLAY** is automatically pressed in.

The playback deck automatically detects the type of tape and lights the appropriate NORMAL, CrO2 or METAL indicator.

The RECORD indicator lights and recording begins.

6. Adjust the **LEFT** and **RIGHT RECORD LEVEL CONTROL** so that the LEVEL METER indicator readings peak in the green area, and only occasionally light in the red area. Normal levels will peak between -8 in the green area and 0 (0) in the red area.

Note: If your sound system is connected to a tape monitor, you can monitor the sound being recorded by listening to your receiver/amplifier's speakers. The setting of your receiver/amplifier's volume does not affect the record level.

7. To temporarily stop recording, press **PAUSE**. Press **PAUSE** again to resume recording.
8. Press **STOP/EJECT** to stop recording before the tape reaches the end.

Using the Tape Counter

You can use the tape counter to help you find specific locations on the tape.

At the beginning of a tape, press the button next to the tape counter to reset it to 000. Then note the counter's reading at the beginning of each selection.

To return to a selection, fast-forward or rewind the tape until the counter shows the noted reading.

Erasing a Tape

To erase a recording, simply record over it.

To erase a tape without making a new recording, set the **RIGHT** and **LEFT RECORD LEVEL CONTROL** to **MIN** and press **RECORD**.

You can quickly erase both sides of a cassette tape using a RadioShack bulk tape eraser.

Note: If you use a bulk tape eraser to erase metal or high-bias type tape, the recorded sound might not be erased properly.

Dolby Noise Reduction

The Dolby Noise Reduction (NR) system reduces tape hiss and background noise.

When you record, the Dolby NR circuit listens to the program where you might later hear tape noise. The Dolby NR system records these sections at a higher level. When you play a tape, the tape must be recorded with the same type of Dolby NR, and the Dolby NR must be turned on during playback. Also when you play a tape, the circuit decreases the volume, restoring the music to its original level and reducing the level of tape noise.

Dolby B NR improves the signal to noise ratio and reduces the tape noise — usually to an inaudible level.

Tape Tips

Restoring Tape Tension and Sound Quality

After you play a cassette tape several times, the tape might become tightly wound on the reels. This can cause playback sound quality to deteriorate. To restore the sound quality, fast-forward the tape from the beginning to the end of one side, then completely rewind it. Then loosen the tape reels by gently tapping each edge of the cassette on a flat surface.

Caution: Be careful not to damage the cassette when tapping it. Do not touch the exposed tape or allow any sharp objects near the cassette.

Preventing Accidental Erasure

Cassette tapes have two erase-protection tabs — one for each side. When a tab is in place, you can record on that side.

To prevent accidental erasure of a tape recording, use a screwdriver to remove one or both of the cassette tape's erase-protection tabs. This prevents **RECORD** from being pressed.

If you later decide to record on a tape side after you have removed the erase-protection hole. Be sure you cover only the hole originally covered by the erase-protection tab.

Caution: Removing the erase-protection tabs does not prevent a bulk eraser from erasing a cassette tape.

Cleaning the Tape-Handling Parts

Dirt, dust or particles of the tape's coating can accumulate on the tape heads and other parts that the tape touches. This can greatly reduce the performance of the cassette player. After every 20 hours of tape player operation, follow these steps to clean the tape-handling parts or use a RadioShack cassette deck cleaning kit.

1. Disconnect the power source.
2. Open the cassette compartment door then use a pencil eraser to hold down the protection tab sensor inside the top left of the cassette compartment. Then press **RECORD**, **RECORD** and **PLAY** lock down, exposing the tape-handling parts.
3. Use a cotton swab dipped in denatured alcohol or tape head cleaning solution to clean the tape guides, record/play head, erase head, pinch roller, and capstan.

When you finish cleaning, press **STOP/EJECT** and close the cassette compartment door. Then reconnect power.

Care

Keep the Compact Recording/Playback Deck dry; if it gets wet, wipe it dry immediately. Use and store the Compact Recording/Playback Deck only in normal temperature environments. Handle the Compact Recording/Playback Deck carefully; do not drop it. Keep the Compact Recording/Playback Deck away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the Compact Recording/Playback Deck's internal components can cause a malfunction and might invalidate its warranty.

This Compact Recording/Playback Deck has been manufactured to the specifications of RadioShack and is covered by a limited warranty from RadioShack. If your deck is not operating as it should, take it to your local RadioShack store or call 1-800-THE-SHACK for assistance.

Specifications

Recording Sensitivity:	
Line (normal bias)	100mV
MIC (normal bias)	0.5mV
Output Level	460mV
Frequency Response	250 Hz–12.5 kHz
Total Harmonic Distortion Record/Playback	1.5%
Signal to Noise Ratio (Dolby NR off)	52 dB
Signal to Noise Ratio (Dolby NR on)	57 dB
Channel Separation	42 dB
Track Crosstalk	56 dB
Erasing Ratio	70 dB
Dolby NR Effect	9 dB
Wow and Flutter	0.15 % WRMS
Tape Speed	4.8 cm/sec
Fast-Forward/Rewind Time	110 sec
Hum and Noise	3 mV
Power Requirement	120V, 60 Hz
Microphone Input	$\frac{1}{4}$ -in (6.3 mm) Jacks
Recording System	AC Bias and AC Erase
Track System	Stereo
Dimensions (HWD)	$4\frac{13}{16} \times 8\frac{2}{3} \times 5\frac{13}{18}$ inches (122 × 220 × 145.3 mm)
Weight	49.45 oz (1.4 kg)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

Limited One-Year Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for one (1) year from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

We Service What We Sell

12/99

**RadioShack Corporation
Fort Worth, Texas 76102**